

Two Species of Hydroptilidae.

BY NATHAN BANKS.

The following two species of Hydroptilidae occur commonly around Washington, D. C., and will be included in list of local forms. The form described by Chambers as a Tineid moth under the name of *Clymene agerifasciella* has been referred to this family; it is, however, I think, a Hydropsychid, and has four spurs on the middle tibiae, and the hair of wings is not erect.

Orthotrichia americana n. sp.

Head with a dense tuft of snow-white hair between eyes, a broad white median stripe on the thorax, and the anal region of forewings gray-white; so that when the wings are closed there is a median white dorsal stripe the entire length. Antennae wholly pale whitish; legs pale, unmarked, spurs 0, 3, 4; hind tibiae with long white fringe behind. Wings acute, anterior pair brown,

with some white hairs, mostly forming

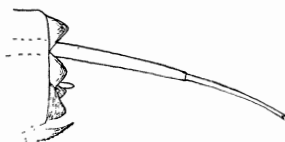
several white spots near costal margin toward tip. Hind wings narrow, with long pale-gray fringe; hair of abdomen long and appressed. The male shows the long, two-jointed penis, as in the common European species, and a black ventral plate, hid in dense hair. Expanse, 4.8 mm.

Many specimens from Washington, D. C., in July and Aug.

Allotrichia maculata n. sp.

Head with tufts of white hair over bases of antennae and on the vertex; also on the lateral lobes of thorax. Ocelli present. Antennae pale on basal half, then wide black band, then a narrow white band, then a broad black one, with a narrow white tip. Legs pale, anterior tibiae and tarsi marked with brown on the outer side; hind tibiae with long white fringe behind; spurs 0, 3, 4. Wings dark brown, a white spot on costal third, one at pterostigma, a smaller one near the tip, three on posterior margin, one near middle, and one on apical fourth; there are black spots adjoining most of the white ones; and two other black patches, one at tip, and one on posterior margin near tip. Hind wings with gray fringe, black around the tip. Expanse, 5 mm.

Specimens from Falls Church, Va., in August and September.



ORTHOTRICHIA AMERICANA, genitalia.



ALLOTTRICHIA MACULATA, genitalia.